INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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| | (i) Activities | ्रम ।/प्रमाह∨द्यमारा + | | 20/1 | |
| | | | | and annous as the | |
| • | During 1946 | -7 gr | oup continued the d | evelopment of the is project componen | ts |
| | A CHOR THEN OF TOTAL CANAL | | | | |
| . | 1.004 turbo-jet whi | en mad been began | | | |
| • • • • • • • • • • • • • • • • • • • | 1.004 turbo-jet whi | on and been begun | | | 25) |

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| | | Attachment | Sec. 7 | 20/(1 |
| | | - sacrosticiótic | | |
| | | | | |
| brought | from DESSAU were used wherever possible although | ough some parts well | 10 | |
| manufac | tured at KUYBYSHEV. At the same time the Ju. the test stand and this engine was improved a | nty turno-jet was i | row. | |
| | og thrust. Stand and this engine was improved a by 1949 the | Ju.012 was consid | leređ | 25X1 |
| ready f | for series production and all available engines | | | 20/1 |
| togethe | er with jigs, tools and working drawings, were | sent by the Russia | n to | |
| KAZAN. | | | | 25X1 |
| | AN factory had also undertaken series product: | ion of the BMW.003 | and | |
| the NEN | E turbo-jets. | | | : |
| | Development work began on the Ju.022 turbo- | prop in 1949 and | | |
| | on the installation of an airscrew | test stand at KUYB) | SHEV. | 25 X 1 |
| | the KUIBYSHEV test stand as some | that rough and read | ly by | 23/1 |
| Western | standards, the testing so | hedule for the Ju. | .022 | , |
| | ried out efficiently and the equipment was sti | | | |
| order i | n 1952. writing working working west stand which had facilities for simultantal working workin | ng drawings of the | 022 | 25 X 1 |
| measure | | 10000 torque una tr | 11 43 6 | 25X1 |
| meagare | | t to LENINGRAD who | ere | 23/1 |
| a Russi | an research establishment was carmying out par | callel work on the | <u> </u> | |
| Ju.022. | | | | 25X1 |
| 43. | to be the second state of the second state of the second s | olwanaft lmam | • | |
| | ine had been flight tested during 1952. A lam mans at ZAVOD II as a "Russian B-29" was reput | | | |
| | d. In summer several 022 engines were inhibit | | | |
| | h elsewhere and it was generally assumed that | | used | |
| | flight tests. | | • | |
| | | | in and the | |
| a a a a a mb 1. | over 40 complete Ju ed at KUYBYSHEV it v | n.022 engines were was difficult for a | | 25X1 |
| | an overall picture of the activities at ZAVOI | | | : |
| | y precautions. Though the engine failed to co | | | |
| acceptai | nce test because of reduction goar failure, | | | 25 X 1 |
| the | e tost was successfully undertaken elsewhere. | 4 | | 25 X 1 |
| | 3 | /- | | 25X1 |
| nominal | design a single-rotor was capacity of 25,000 h.p. for the testing of the | | A. | 20/(1 |
| | welve copies of the working dravings for this | | | |
| | | so were sent to Tsl | | 25X1 |
| | n 1952 the "K" engine was set up on the water | | .s- | |
| factori. | ly though not at full po | er. | | 25 X 1 |
| theK. | delivered 10,000 s.h.p. at this phase of its | deveropment. | | 25X1 |
| 100 | When the testing of the "K" was first discus | sed the Russians h | eđ | 4 |
| plans fo | or building a permanent airscrew test stand eq | uipped for simulta | ngous | |
| torque a | and thrust measurement. However, this never m | aterialised and a | | |
| simple: | installation was finally built, torque and thr | ust measurements h | eing | |
| against | i from the water brake tests. The data gather the specific fuel consumption figures records | ed was then checke | toet | |
| stand. | The Russians also talked of building an altit | ude test cell for | tho | |
| Type "K" | engine at KUIBYSHEV | | | 25 X 1 |
| | | | | 20/(1 |
| • | +1a = 11771 mag = +11171 | | | |
| 14-stag | the "K" was a turbo- | prop engine with a | i udan | |
| operation | on. In November 1953 | the | udes | 25X1 |
| engine 1 | nad run successfully on the water brake and ai | rscrew testing was | <u> </u> | |
| under we | <u> </u> | | | 25X1 |
| of 245 c | specific fuel consumption g./h.p./hr. had been recorded. Apparently tro | Tigures of the ord | er | |
| initiall | y in starting the "K" which was equipped with | dord was experience | .are | |
| similar | to that used on the O22. Presoure relief val | ves were fitted to | the | |
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